

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (original) A RF test interconnection system for
2 connecting a measurement device to a device under test, said
3 system comprising:

4 a probe card having a probe extending from a first side of
5 said probe card for making electrical contact with said
6 device under test and a probe card coaxial connector
7 extending from a second side of said probe card, said
8 probe and said probe card coaxial connector being in
9 electrical communication;

10 a test head having a test head coaxial connector adapted to
11 mate with said probe card coaxial connector when said
12 probe card and said test head are urged together, said
13 test head coaxial connector being connectable to said
14 measurement device; and

15 a de-mating device attached to one of said probe card and
16 said test head for urging said probe card and said test
17 head apart by applying a separating force therebetween,
18 said probe card and said test card coaxial connectors
19 being electrically connected when said test head and
20 said probe card are urged together by a connection
21 force and electrically disconnected when said
22 connection force is removed.

1 2. (original) A system according to claim 1, wherein said
2 de-mating device is a spring-loaded plunger.

1 3. (original) A system according to claim 1, wherein said
2 de-mating device is attached to said test head.

1 4. (original) A system according to claim 1, wherein said
2 probe card coaxial connector includes a female inner receptacle
3 and a female outer barrel and said test head coaxial connector
4 includes a male center pin and a male outer barrel, said
5 receptacle and pin slidingly mating when said probe card and test
6 head are urged together and said male and female barrels
7 slidingly mating when said probe card and said test head are
8 urged together.

1 5. (original) A system according to claim 1, wherein said
2 coaxial connectors include a compression member that maintains
3 compressive contact between the connectors when said probe card
4 and said test head are urged together.

1 6. (original) A system according to claim 1, further
2 comprising tapering male extensions cooperating with female
3 receptors to assist in aligning said connectors.

1 7. (currently amended) A system according to claim 1,
2 further comprising tapering female receptors cooperating with
3 male extensions to align said connectors.

1 8. (original) A RF test interconnection system for
2 connecting a measurement device to a device under test, said
3 system comprising:

4 a probe card having a probe extending from a first side of
5 said probe card for making electrical contact with said
6 device under test and a probe card coaxial connector
7 extending from a second side of said probe card, said
8 probe and said probe card coaxial connector being in
9 electrical communication and said probe card coaxial
10 connector includes a female inner receptacle and a
11 female outer barrel;

12 a test head having a test head coaxial connector adapted to
13 mate with said probe card coaxial connector when said
14 probe card and said test head are urged together, said
15 test head coaxial connector being connectable to said
16 measurement device and said test head coaxial connector
17 includes a male center pin and a male outer barrel; and

18 a spring-loaded plunger attached to one of said probe card
19 and said test head for urging said probe card and said
20 test head apart by applying a separating force
21 therebetween, said probe card and said test card
22 coaxial connectors being electrically connected when
23 said test head and said probe card are urged together
24 by a connection force and electrically disconnected
25 when said connection force is removed, wherein said
26 receptacle and pin slidably mate when said probe card
27 and test head are urged together and said male and
28 female barrels slidably mate when said probe card and
29 said test head are urged together.

1 9. (original) A system according to claim 8, wherein said
2 plunger is attached to said test head.

1 10. (original) A system according to claim 8, wherein said
2 coaxial connectors include a compression member that maintains
3 compressive contact between the connectors when said probe card
4 and said test head are urged together.

1 11. (original) A system according to claim 8, further
2 comprising tapering male extensions cooperating with female
3 receptors to align said connectors.

1 12. (original) A system according to claim 8, further
2 comprising tapering female receptors cooperating with male
3 extensions to align said connectors.